

§ 28.601

7 CFR Ch. I (1–1–04 Edition)

Color grade	Symbol	Code No.
Low Middling	LM	51
Strict Good Ordinary	SGO	61
Good Ordinary	GO	71
Good Middling Light Spotted	GM Lt Sp	12
Strict Middling Light Spotted	SM Lt Sp	22
Middling Light Spotted	Mid Lt Sp	32
Strict Low Middling Light Spotted	SLM Lt Sp	42
Low Middling Light Spotted	LM Lt Sp	52
Strict Good Ordinary Light Spotted	SGO Lt Sp	62
Good Middling Spotted	GM Sp	13
Strict Middling Spotted	SM Sp	23
Middling Spotted	Mid Sp	33
Strict Low Middling Spotted	SLM Sp	43
Low Middling Spotted	LM Sp	53
Strict Good Ordinary Spotted	SGO Sp	63
Strict Middling Tinged	SM Tg	24
Middling Tinged	Mid Tg	34
Strict Low Middling Tinged	SLM Tg	44
Low Middling Tinged	LM Tg	54
Strict Middling Yellow Stained	SM YS	25
Middling Yellow Stained	Mid YS	35
Below Grade—(Below Good Ordinary)	BG	81
Below Grade—(Below Strict Good Ordinary Light Spotted)	BG	82
Below Grade—(Below Strict Good Ordinary Spotted)	BG	83
Below Grade—(Below Low Middling Tinged)	BG	84
Below Grade—(Below Middling Yellow Stained)	BG	85

(b) Symbols and Code Numbers used for Leaf Grades of American Upland Cotton.

Leaf grade	Symbol	Code No.
Leaf Grade 1	LG1	1
Leaf Grade 2	LG2	2
Leaf Grade 3	LG3	3
Leaf Grade 4	LG4	4
Leaf Grade 5	LG5	5
Leaf Grade 6	LG6	6
Leaf Grade 7	LG7	7
Below Leaf Grade	BLG	8

(c) Symbols and Code Numbers for Color Grades of American Pima Cotton.

Full grade name	Symbol Code	No.
Color Grade No. 1	AP C1	01
Color Grade No. 2	AP C2	02
Color Grade No. 3	AP C3	03
Color Grade No. 4	AP C4	04
Color Grade No. 5	AP C5	05
Color Grade No. 6	AP C6	06
Color Grade No. 7	AP C7	07

(d) Symbols and Code Numbers for Leaf Grades of American Pima Cotton.

Full grade name	Symbol Code	No.
Leaf Grade No. 1	AP L1	1

Full grade name	Symbol Code	No.
Leaf Grade No. 2	AP L2	2
Leaf Grade No. 3	AP L3	3
Leaf Grade No. 4	AP L4	4
Leaf Grade No. 5	AP L5	5
Leaf Grade No. 6	AP L6	6
Leaf Grade No. 7	AP L7	7

(e) Code numbers for Length of Staple Designations.

Length of staple—inches	Code No.
Below $\frac{13}{16}$	24
$\frac{13}{16}$	26
$\frac{7}{8}$	28
$\frac{29}{32}$	29
$\frac{15}{16}$	30
$\frac{31}{32}$	31
1	32
$\frac{1}{32}$	33
$\frac{1}{16}$	34
$\frac{1}{8}$	35
$\frac{1}{4}$	36
$\frac{1}{2}$	37
$\frac{3}{4}$	38
1	39
$\frac{1}{4}$	40
$\frac{1}{2}$	41
$\frac{3}{4}$	42
1	43
$\frac{1}{4}$	44
$\frac{1}{2}$	45
$\frac{3}{4}$	46
1	47
$\frac{1}{4}$	48
$\frac{1}{2}$	49
$\frac{3}{4}$	50
1	51
$\frac{1}{4}$	52
$\frac{1}{2}$	53
$\frac{3}{4}$	54
1	55
$\frac{1}{4}$	56

[32 FR 8760, June 20, 1967, as amended at 50 FR 25198, June 18, 1985; 51 FR 23039, June 25, 1986; 57 FR 34499, Aug. 5, 1992; 65 FR 36601, June 9, 2000]

OFFICIAL COTTON STANDARDS OF THE UNITED STATES FOR FIBER FINENESS AND MATURITY

AUTHORITY: Sections 28.601 to 28.603 issued under secs. 6, 10, 42 Stat. 1518, 1519, sec. 4854, 68A Stat. 580; 7 U.S.C. 56, 61, 26 U.S.C. 4854.

SOURCE: Sections 28.601 to 28.603 appear at 30 FR 7239, May 29, 1965, unless otherwise noted.

§ 28.601 Official cotton standards for fiber fineness and maturity.

The official cotton standards of the United States for fiber fineness and maturity shall be the measure of such qualities, in combination, provided by

Agricultural Marketing Service, USDA

§ 28.901

air flow instrument tests in terms of micronaire readings in accordance with the procedure specified in § 28.603.

§ 28.602 Terms of designations.

The fiber fineness and maturity of any cotton shall be designated by the micronaire reading obtained from an air flow instrument test for a specimen of the cotton as determined under § 28.603, e.g., 4.1, 4.2, 4.3, etc. To simplify recording, the decimal point may be omitted, and the micronaire reading recorded as 41, 42, 43, etc.

§ 28.603 Procedures for air flow tests of micronaire reading.

In determining in terms of micronaire readings, the fiber fineness and maturity, in combination, of cotton, the following procedures shall apply:

(a) Facilities and equipment shall include:

(1) Air flow instrument complete with accessories to measure the fineness and maturity, in combination, of cotton in terms of micronaire reading on the curvilinear scale adopted in September 1950 by the Department of Agriculture, or its equivalent.

(2) A suitable supply of compressed air filtered to remove moisture and other impurities.

(3) Balance or scales suitable for accurately weighing the specimens required for the particular instrument.

(4) International Calibration Cotton Standards with established micronaire reading values for calibration of the air flow instrument.

(b) The instrument shall be calibrated each day before routine testing begins, as follows:

(1) The air shall be allowed to flow through the instrument until the indicator stabilizes.

(2) Specimens from at least two of the calibration cottons shall be tested to insure proper calibration of the instrument. The instrument shall be considered in calibration if the values obtained on the test specimens agree with the established values of the calibration cottons within 0.1 micronaire reading.

(c) Testing of the cotton specimen shall be performed as follows:

(1) Approximately the same amount of cotton shall be taken from each side of the sample for a test specimen. The weight of the test specimen shall be that weight prescribed for the air flow instrument being used.

(2) The weighed specimen shall be tested in a properly calibrated instrument.

(3) The specimen shall be inserted into the specimen holder of the instrument so that the mass of fibers is well distributed within the specimen holder.

(4) The air shall then be allowed to flow through the specimen in accordance with the method of operation of the instrument.

(5) The position of the instrument indicator shall be determined to the nearest 0.1 micronaire reading when it becomes stable.

(d) The accuracy of the instrument shall be checked at least every 2 hours during operation by testing appropriate calibration cottons. If the value obtained on a specimen from the calibration cotton is outside the established limits of 0.1 micronaire reading, or when successive readings show the results to be within the established limits, but consistently high or low, the instrument and technique shall be thoroughly checked to remedy the discrepancies. Additional tests using calibration cottons shall be made until acceptable results are obtained before routine testing is resumed.

Subpart D—Cotton Classification and Market News Service for Producers

AUTHORITY: 7 U.S.C. 471-476.

DEFINITIONS

§ 28.901 Definitions.

When used in the regulations in this subpart:

(a) *Act* means the applicable provisions of the Act of Congress of March 3, 1927 (44 Stat. 1372), as amended by the Act of Congress of April 13, 1937 (50 Stat. 62) (7 U.S.C. 471-476), the United States Cotton Standards Act, as amended (42 Stat. 1517; 7 U.S.C. 51 *et seq.*) and the Omnibus Budget Reconciliation Act of 1981 (Pub. L. 97-35), unless otherwise noted.